

FIG. 1A

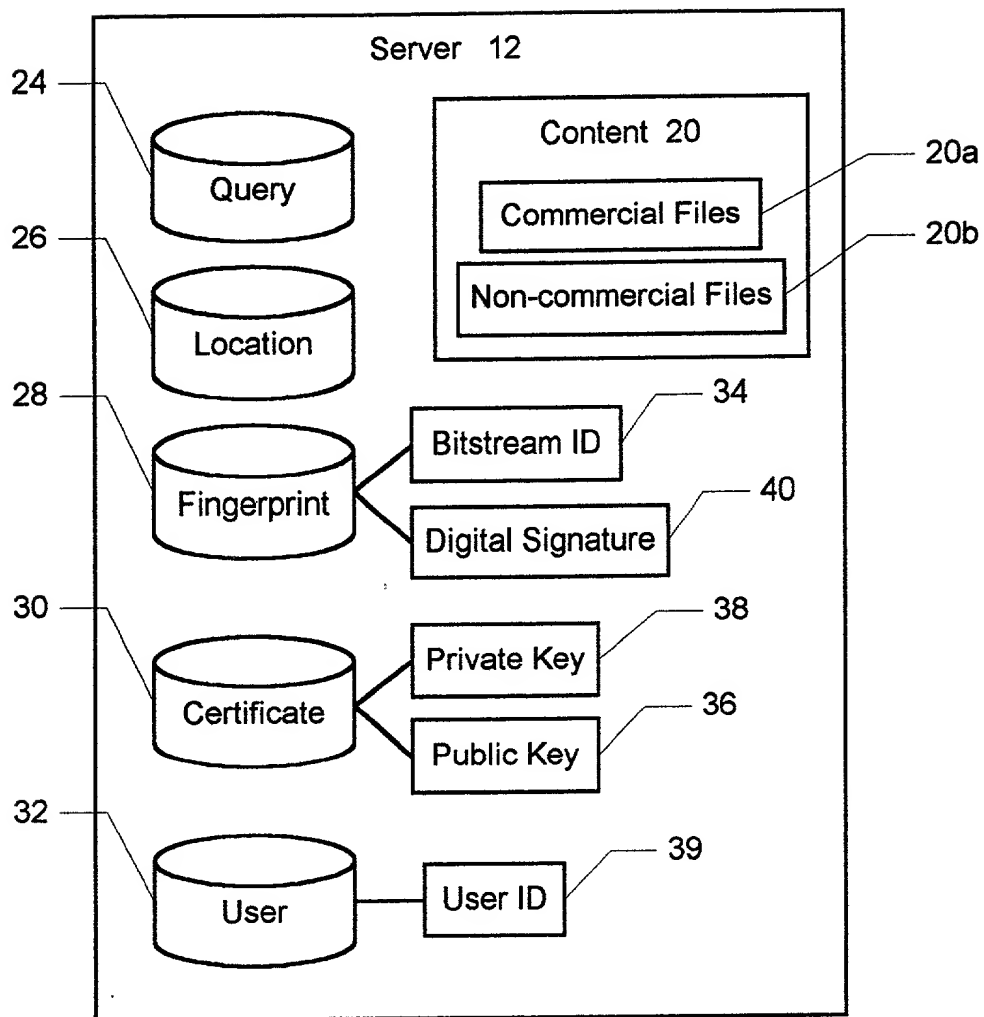


FIG. 1B

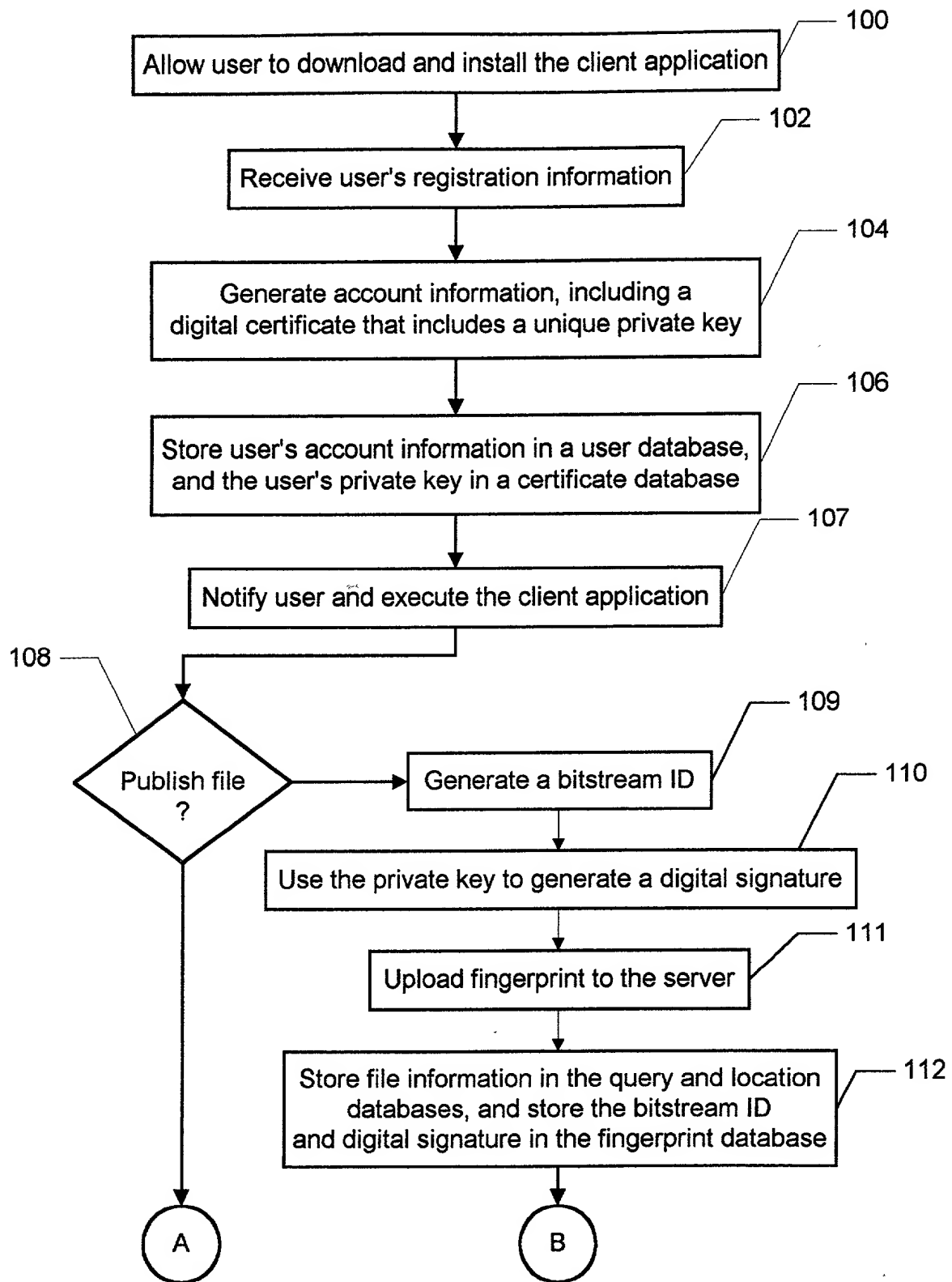


FIG. 2A

```
graph TD
    A((A)) --> B((B))
    B --> 114{File placed into shared folder?}
    114 --> 116[Make file available on the network by adding the file to a searchable index of shared files on the server node]
    114 --> 118[Copy file to server node for delivery to a requesting node when publishing node is off-line]
    116 --> 120{File placed into user icon?}
    118 --> 120
    120 --> 122[Privately publish the file by direct file transfer and copy to server for off-line delivery]
    120 --> 124[If receiving client node is logged into the server node and no firewall separates the two nodes, establish a peer-to-peer connection between the two nodes]
    122 --> 124
    124 --> 126[If receiving client node not logged into the network, then temporarily store file on the server and deliver when receiving client node logs-in]
    126 --> 128[If there is a firewall, then server node acts as a proxy for the receiving client node and the file is sent through the server node]
    128 --> C((C))
```

FIG. 2B

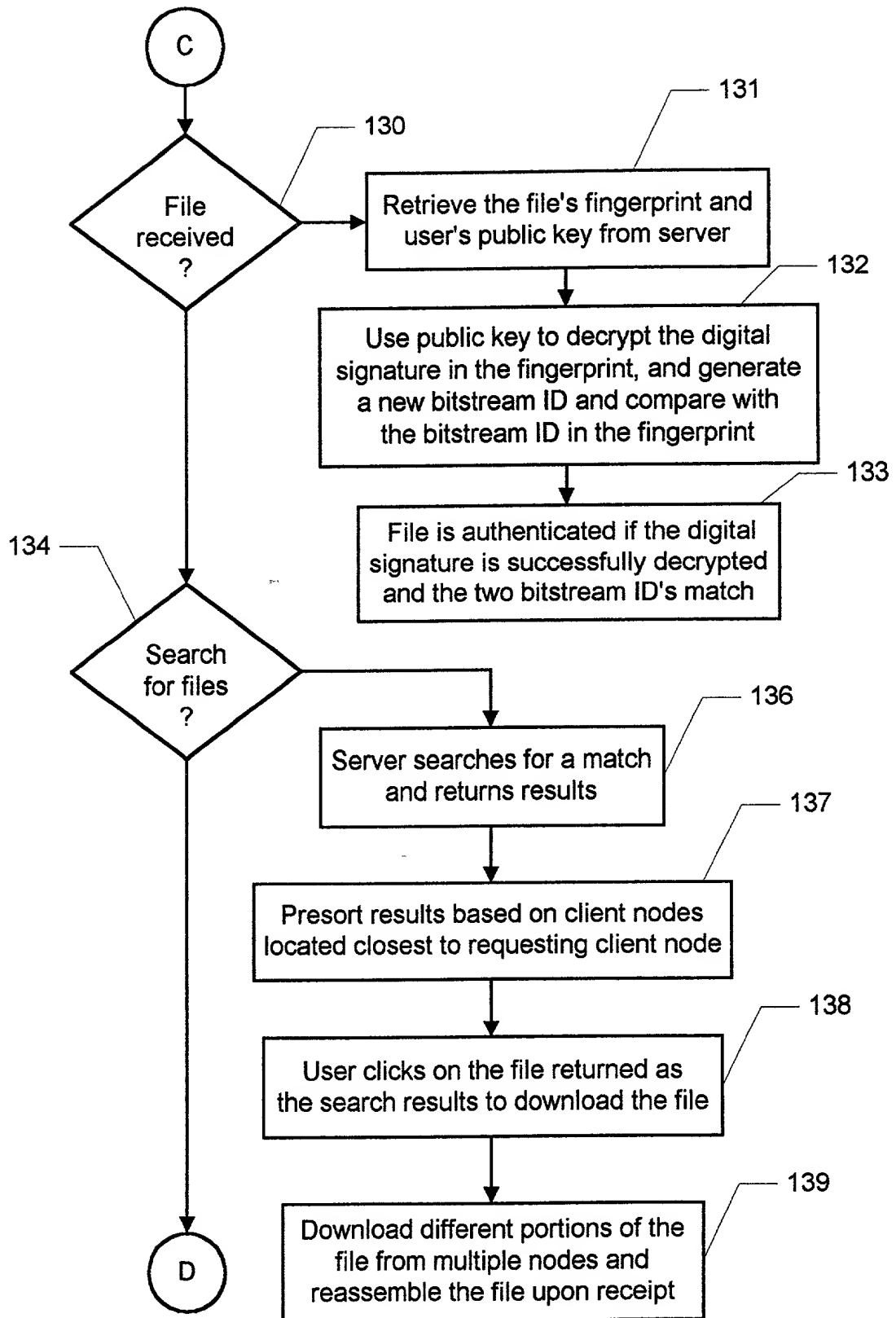


FIG. 2C

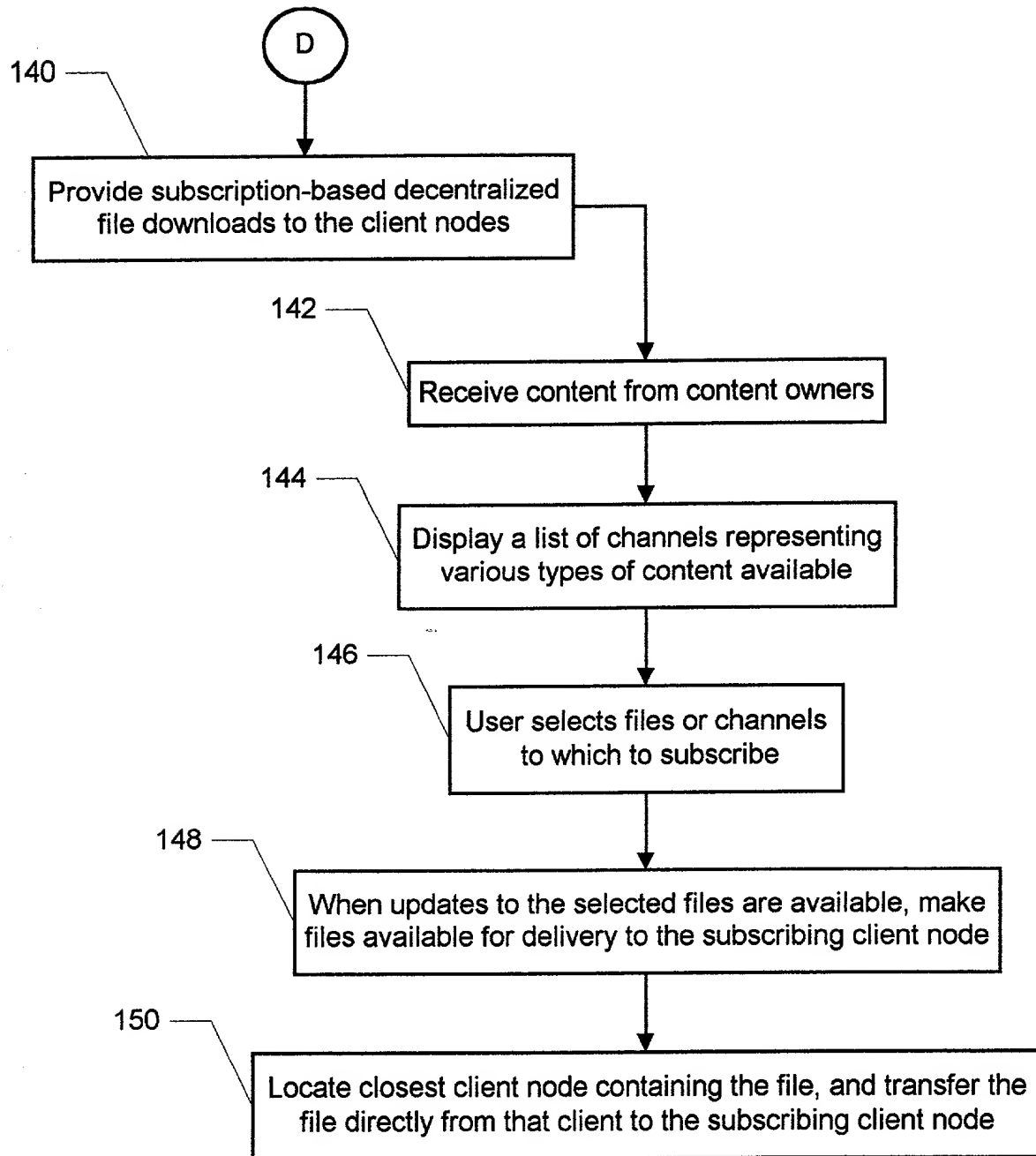


FIG. 2D

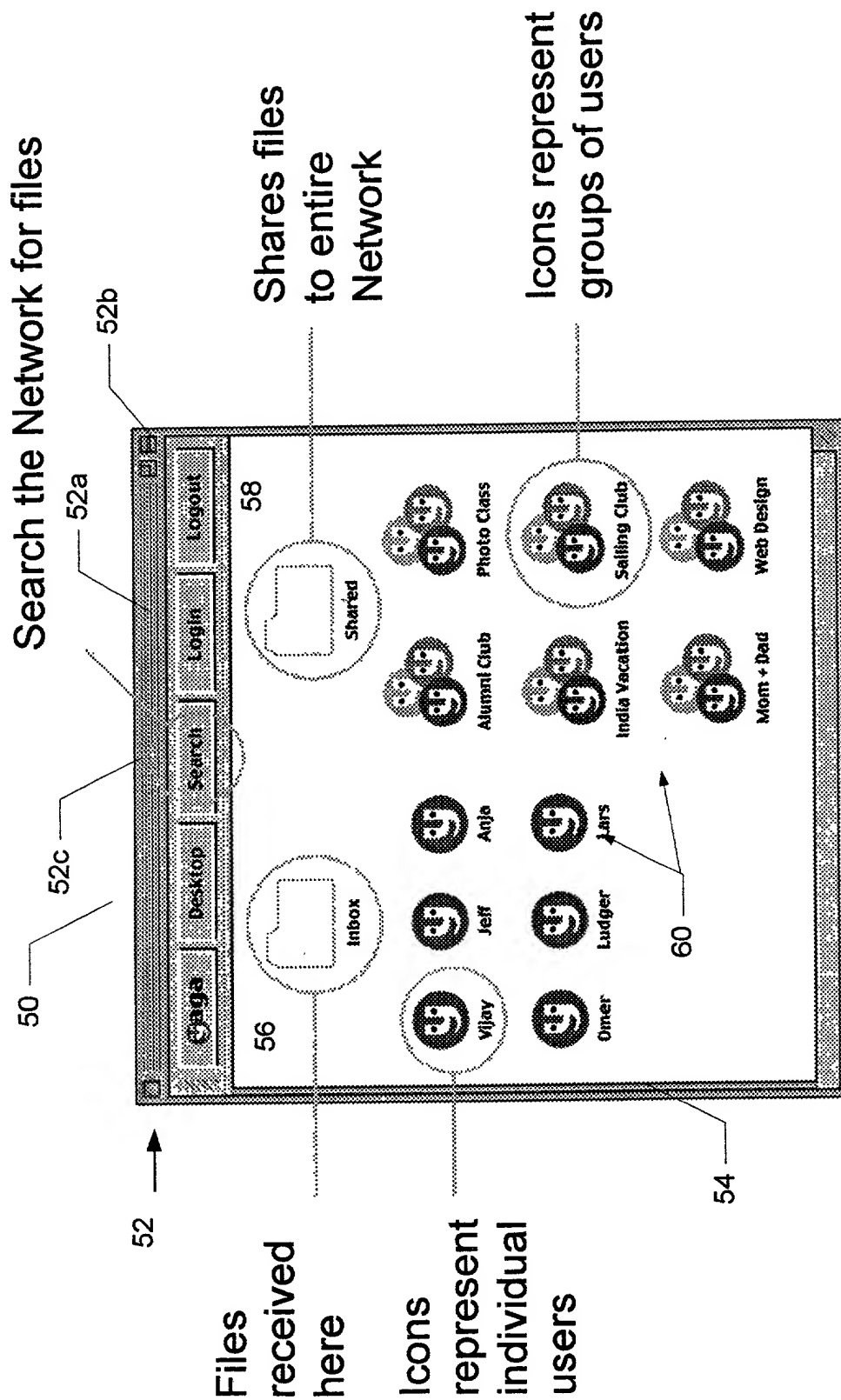


FIG. 3